

Title (en)

HIGH-SPEED DATA TRANSMISSION IN MOBILE COMMUNICATION NETWORKS

Title (de)

HOCHGESCHWINDIGKEITSDATENÜBERTRAGUNG IN MOBILEN NACHRICHTENÜBERTRAGUNGSNETZWERKEN

Title (fr)

TRANSMISSION DE L'INFORMATION A GRANDE VITESSE DANS DES RESEAUX DE COMMUNICATION MOBILES

Publication

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Application

**EP 96904118 A 19960306**

Priority

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Abstract (en)

[origin: WO9627960A1] The invention relates to a digital mobile communication system and a method for high-speed data transmission in a digital mobile communication system. The mobile network allocates two or more parallel traffic channels to a high-speed data signal which requires a transmission rate that exceeds the maximum transmission rate of one traffic channel. The high-speed data signal is packed into transmission frames which contain a fixed number N of information bits. The number of the information bits is such that the data rate of the frame is fixed and corresponds to a standard rate adaptation of a traffic channel in the mobile communication system, for example 9.6 Kbps. Among these information bits of the transmission frame, a variable number of bits N1 which is dependent on the data rate of the high-speed data signal is employed for the transmission of the user data. From the remaining "free" information bits of the frame, n bits are control bits which indicate the number N1 of the user data bits in the frame. The remaining k information bits are stuff bits. By means of the invention, the transmission rate of the user data in the transmission frames may vary between 0 and a preset maximum value.

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Citation (search report)

See references of WO 9627960A1

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